

CLAIMS

1. A hydraulic distributor comprising:
- a distributor body (2),
 - 5 - an intake port (P) for pressurized hydraulic fluid which port is intended to be connected to a source of pressurized hydraulic fluid,
 - a return port (T) for returning fluid to a reservoir,
 - 10 - at least two working ports (A, B) each of which is intended to be connected to at least one hydraulic receiver to supply and return the fluid,
 - a slide (8) housed in a bore (4) formed in the body (2) and which is intended to be moved
 - 15 longitudinally to selectively transmit the pressurized hydraulic fluid to the working ports (A, B) from the intake port (P),
 - a passage (12) formed in the body (2) for selectively connecting the intake port (P) to the
 - 20 working ports (A, B),
 - regulating means (15) which are situated in said passage (12) to be inserted between the intake port (P) and the working ports (A, B) and which are associated with a load detection line channel (16),
 - 25 - a supply bridge (20) which comprises two branches (21, 22) each opening into the bore (4) of the slide (8) on each side of the intake port (P) in order to be connected selectively to said fluid ports respectively, and
 - 30 - two main nonreturn valves (25, 26) which are borne entirely by the slide (8), these respectively being inserted between the supply bridge (20) and the working ports (A, B) and each comprising a valve head (31, 32) able to move in a longitudinal channel (33, 34) itself
 - 35 connected to at least one transverse supply slit (35, 36) which opens into the bore (4),
- characterized in that the distributor (1) further comprises two secondary nonreturn valves (40, 41) which

are respectively mounted in the longitudinal channels (33, 34) upstream of the heads (31, 32) of the main nonreturn valves (25, 26), and in that the secondary valves are connected to torque slits (50, 51) which
5 open into the bore (4) in which the slide (8) moves, each of these slits being connected, at least in one position of the slide (8), to one branch of the supply bridge (20).

10 2. The hydraulic distributor as claimed in claim 1, characterized in that the secondary nonreturn valves (40, 41) are open during the phases of exhausting of the hydraulic fluid into the portion of the slide (8) opposed to the pressure of the load in the working port
15 (A, B).

3. The hydraulic distributor as claimed in claim 2, characterized in that the torque slits (50, 51) are of circular cross section.
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4. The hydraulic distributor as claimed in claim 2, characterized in that the torque slits (50, 51) are of oblong cross section.

25 5. The hydraulic distributor as claimed in claim 2, characterized in that the torque slits (50, 51) are of lens-shaped cross section.